

**10/582770**

**AP3 Rec'd PCT/PTO 12 JUN 2008**

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Felix W. GRIMM, et al. : Attorney Docket: 2003DE140  
Serial No.: to be Assigned :  
Filed: June 12, 2006 :  
For: Use of a Pigment Preparation Based on C.I. Pigment Yellow 74

**Transmittal Letter**  
**Notification of Amendments Under PCT Article 34**

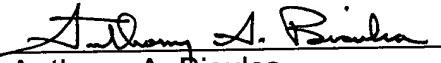
Mail Stop:  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Preliminary to the examination of the above-identified application, an Amendment was filed under Article 34 of the Patent Cooperation Treaty prior to the International Preliminary Examination. Please note that the attached pages, page 30 and 31, claims 1-8, were filed with the European Patent Office.

Applicant respectfully requests submission of this page before examination of the application and before entry of the Preliminary Amendment.

Respectfully submitted,

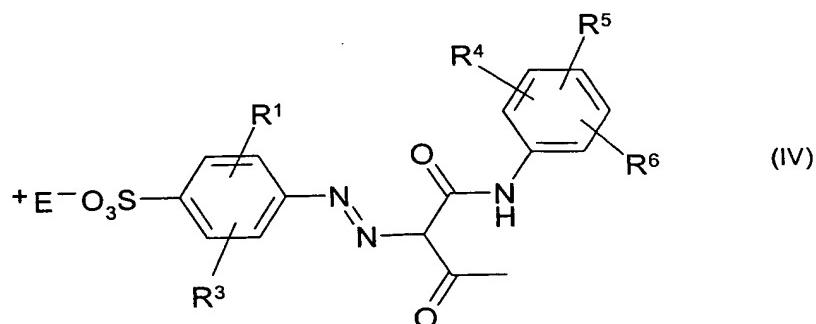
  
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Anthony A. Bisulca  
Attorney for Applicant  
Registration No. 40,913

**(CUSTOMER NUMBER 25,255)**

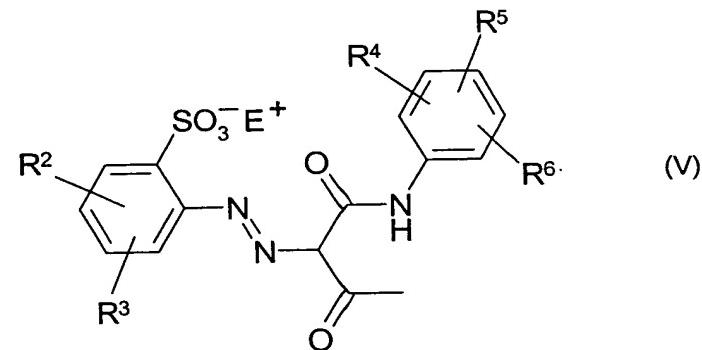
Clariant Corporation  
Industrial Property Department  
4000 Monroe Road  
Charlotte, NC 28205  
Phone 704 331-7151  
Fax 704 331-7707

## New Claims:

- 1) The use of a pigment preparation comprising C.I. Pigment Yellow 74 as base pigment and one or more pigment dispersants for pigmenting  
 5 electrophotographic toners and developers, inks, aqueous binder systems, and color filters, wherein the pigment dispersants are selected from the group of C.I. Pigment Yellow 61, 61:1, 62, 62:1, 168, 169, and 191:1 or a combination of compounds of the formula (IV) and (V)



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in which

- 15 R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup>, and R<sup>6</sup> independently of one another are hydrogen, halogen, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> alkoxy, nitro, trifluoromethyl, cyano, phenyl, a group SO<sub>3</sub><sup>-</sup>E<sup>+</sup> or COO<sup>-</sup>E<sup>+</sup>, with the proviso that there is at least one and not more than two ionic groups of type SO<sub>3</sub><sup>-</sup>E<sup>+</sup> or COO<sup>-</sup>E<sup>+</sup>, and that, in the case of two ionic groups, one group is located in the coupler residue and the other in the base residue of the  
 20 compound of the formula (I);

E<sup>+</sup> is H<sup>+</sup>;

the equivalent  $M^{m+}/m$  of a metal cation  $M^{m+}$ , m being the number 1, 2 or 3; a phosphonium ion; or an unsubstituted or substituted ammonium ion.

2) The use as claimed in claim 1, wherein  $R^1, R^2, R^3, R^4, R^5$  and  $R^6$  are

5 hydrogen, chlorine, methyl, trifluoromethyl or methoxy.

3) The use as claimed in claim 1 or 2, wherein  $E^+$  has the definition  $H^+, Na^+$ ,  $Ca^{2+}, Mg^{2+}, Sr^{2+}, Ba^{2+}, Mn^{2+}$  or  $Al^{3+}$ .

10 4) The use as claimed in one or more of claims 1 to 3, wherein the pigment preparation contains

a) 50% to 99.9%, preferably 60% to 99.5% by weight of Pigment Yellow 74,

b) 0.1% to 25%, preferably 0.5% to 15% by weight of 1, 2, 3, 4, 5 or 6, preferably 1, 2, 3 or 4, pigment dispersants,

15 c) 0 to 25%, preferably 0 to 15% by weight of auxiliaries, the fractions of the respective components being based on the total weight of the preparation (100% by weight).

5) The use as claimed in one or more of claims 1 to 4 for pigmenting ink-jet  
20 inks.

6) The use as claimed in claim 5, wherein the ink-jet ink is a microemulsion ink, a solvent-based ink-jet ink or a hot-melt ink-jet ink.

25 7) The use as claimed in one or more of claims 1 to 4 for pigmenting aqueous printing inks, aqueous paints, and aqueous varnishes.

8) The use as claimed in at least one of claims 1 to 7 in an amount of 0.05% to 30% by weight, based on the material to be pigmented.